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5 February 1970

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MEMORANDUM FOR: Chief, Projects & Programs Staff, TSSG/NPIC

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ATTENTION: [REDACTED]

SUBJECT: APSD Activity Report for January 1970

1. The following items of significant interest occurred in APSD during January 1970:

a. Exploitation Support

(1) Interpretation

(a) A preliminary plan to fully utilize all [REDACTED] processing/reproduction capabilities has been prepared in coordination with [REDACTED]. The plan will be presented to PPBS and the CCB for approval.

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(b) A workable technique has been developed for improving the spatial resolution of color materials through separation printing. The resultant product is in black and white and will be used in conjunction with the color reproductions.

(c) Enhanced prints of selected targets were prepared for the interpreters during the Initial Phase Handling of [REDACTED]. The PI response was very favorable.

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(d) The Chief, IEG and his staff were briefed on a new satellite systems message [REDACTED] received for the first time from Weather Control.

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(2) Photogrammetric Analysis

(a) Testing continued on the BALDER and FLOWER aircraft math models.

(b) A study of the RANCO math model and HERSHE

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fictitious Image Generator Model reveals that when used together, ideal coordinates can be picked for a photogrammetric model.

25X1 (c) The STEIN 8 model was modified for use in the IEG/PHD [redacted] Study of Stereo Mensuration.

(3) Operational Activities

25X1 (a) A briefing on the APSD photo-scientific evaluation of [redacted] color film was presented to COMIREX.

(b) A briefing on the 1969 total film input to NPIC and a review of the 1969 [redacted] Program was presented to the Director, NPIC and his staff. 25X1

b. Collection Systems Support

(1) Systems/Films Under Development

(a) Two Red Dot SO-242/3404 test missions were evaluated.

(b) APSD participated in the SENIOR PEG (vibration and atmospheric physics) Committee meeting held by AFIGOS at Wright/Patterson AFB on 28-29 January.

(c) APSD participated in a [redacted] PIM on the Stellar/Index Camera, held on 23 January in [redacted] 25X1 25X1

(2) Operational Systems

(a) The Initial Phase Handling of [redacted] was accomplished on 22-23 January. 25X1

25X1 (b) Twenty-nine operational and two test aircraft missions were evaluated. These included twenty-two [redacted] and two IRIS II (test) missions.

25X1 (c) Work on PERs during the month included KH-4 [redacted] in reproduction), [redacted] 25X1

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[redacted] (95% complete), and [redacted] (in Graphics), [redacted] (80% complete), [redacted] (assigned).

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(d) The 1108 PET Meeting was held in APSD on 14-15 January.

(e) Extensive support was given NRO personnel. This included review of [redacted] and [redacted] IPIRs, 100 color prints on satellite systems, and a review of photographic coverage of Cuba.

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(f) A statistical study of the US satellite program was prepared for the Executive Director, NPIC.

c. Support to Research and Development

(1) APSD reviewed the design of a new breakdown table for the [redacted] materials.

(2) Iso-d traces were prepared for RED of two film chips (requested by [redacted])

2. The following significant action items are anticipated for the month of February 1970:

a. Initial Phase Handling of KH-4 [redacted] is scheduled for 18 February.

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b. Division personnel will participate in the CCB meeting at [redacted] on 10-12 Feb. They will present a briefing on NPIC Dupe Specifications and tone reproduction studies.

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c. A visit will be made to [redacted] facility on Friday, 13 Feb. to view the 147 and 154 Drones and their respective cameras.

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d. On 17 Feb. APSD will participate in a Payload Information Meeting (PIM) on the KH-4 system. On 18 Feb. they will attend the launch of [redacted]

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[redacted]
Chief, Applied Photo Science Division,
TSSG/NPIC

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